

SCC-C6453/C6455/C7453/C7455 SCC-C4253/C4255/C4353/C4355

43x Optical Zoom High SmartDome Camera / 43x Optical Zoom Lens Camera

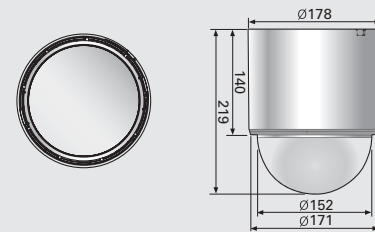
I Features

SCC-C6453 / C6455 / C7453 / C7455

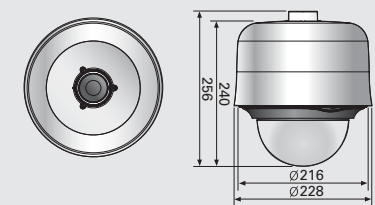
- 1/4" SONY 410K/470K Pixels Ex-View HAD PS CCD
- 43x(f=3.2~138.5mm) Optical & 16x(0.1step) Digital Zoom
- High Resolution : 600 TV Lines
- Min. illumination 0.0007 Lux (F1.2, 15 IRE, Sens-up 512x, Color)
0.00007 Lux (F1.2, 15 IRE, Sens-up 512x, B/W)
- 0~360° Endless Pan, -6~186° Tilting (D-Flip)
- Pan/Tilt Speed Min. 0.01°/sec, Max. 600°/sec
- Preset 512 ea, Auto Pan 4 ea, Pattern 3 ea
- Wide Dynamic Range (NTSC 128x, PAL 160x) : SCC-C6455/C7455
- Virtual Progressive Scan (VPS) : SCC-C6455/C7455
- Day Night Function (True), Sens-up Function (512x)
- Motion Adaptive Digital Noise Reduction (3D + 2D)
- Back Light Compensation (Area Setting)
- Advanced Motion Detection Function
- eXtended Dynamic Range (XDR)
- Privacy Mask Function (12ea)
- DIS (Digital Image Stabilization)
- Time & Day Scheduling
- CCVC (Camera Control Via Coaxial cable, Controller : SCX-RD100)
- RS-485 (Half/Full)/RS-422 Control (Multi-Protocol support)
- Multi-Language OSD (E, F, G, S, I, J, R, P, C, etc) support
- Intelligent Video (Moved / Fixed / Fence / Tracking)
- Alarm Input 8 ea, Output 4 ea
- Operating Temp. : SCC-C6453 / C6455 (-10 ~ 50°C)
SCC-C7453 / C7455 (-50 ~ 50°C)

I Dimensions (mm)

SCC-C6453 / C6455



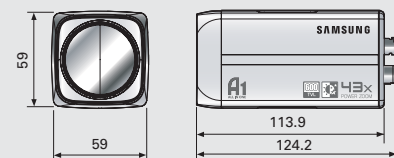
SCC-C7453 / C7455



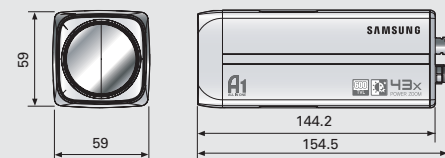
SCC-C4253 / C4255 / C4353 / C4355

- 1/4" SONY 410K/470K Pixels Ex-View HAD PS CCD
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- Min. illumination 0.0007 Lux (F1.2, 15 IRE, Sens-up 512x, Color)
0.00007 Lux (F1.2, 15 IRE, Sens-up 512x, B/W)
- Wide Dynamic Range (NTSC 128x, PAL 160x) : SCC-C4255/C4355
- Virtual Progressive Scan (VPS) : SCC-C4255/C4355
- Day Night Function (True), Sens-up Function (512x)
- Motion Adaptive Digital Noise Reduction (3D + 2D)
- Back Light Compensation (Area Setting)
- Advanced Motion Detection Function
- eXtended Dynamic Range (XDR)
- Privacy Mask Function (12 ea)
- DIS (Digital Image Stabilization)
- CCVC (Camera Control Via Coaxial cable, Controller: SCX-RD100)
- RS-485 (Half) Control (Multi-Protocol support)
- Multi-Language OSD (E, F, G, S, I, J, R, P, C, etc) support
- Intelligent Video (Moved / Fixed / Fence / Tracking)
- Preset 512ea, Alarm Output 1ea
- SCC-C4253 / C4255 : DC12V
- SCC-C4353 / C4355 : AC24V/DC12V

SCC-C4253 / C4255



SCC-C4353 / C4355



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43x ZOOM CAMERA

SCC-C6453/C6455/C7453/C7455
SCC-C4253/C4255/C4353/C4355

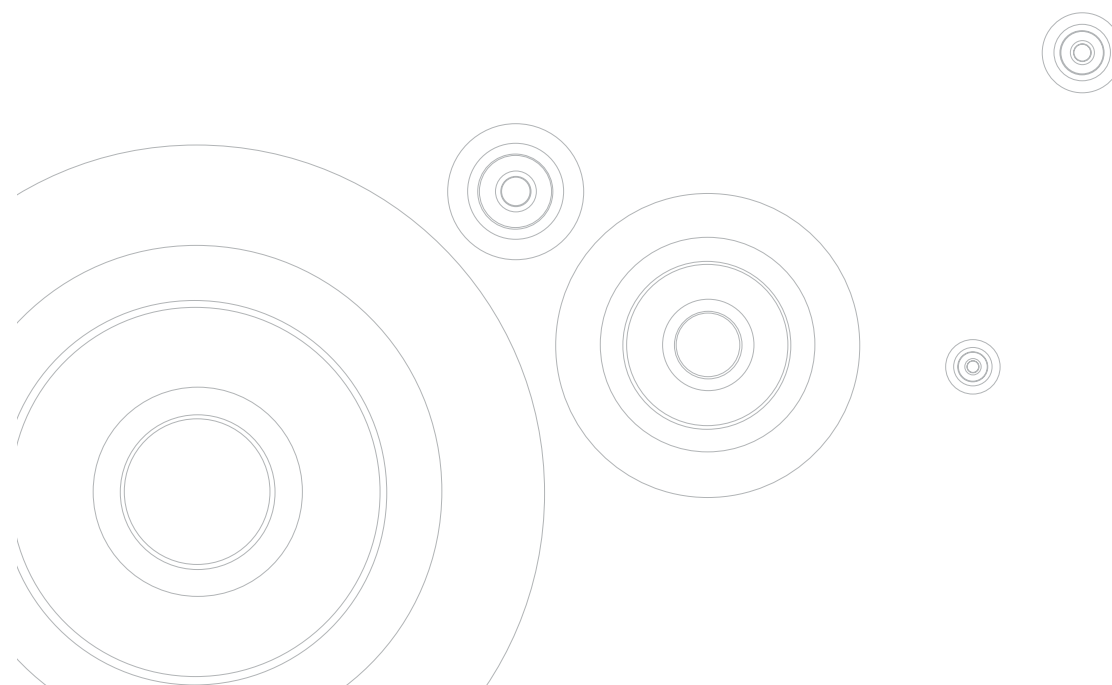
SAMSUNG
ELECTRONICS

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* Design and specifications are subject to change without notice

Distributed by



How far can you see? ^{Zooming} 43x



43x Power Zoom

SCC-06455/C7455/C4255/C4355

43x
Zoom



32x Zoom

Conventional



12x Zoom

Conventional



43x Optical Power Zoom Camera

Samsung Electronics' 43x cameras enable to see the objects from a long distance. Also users can catch more detailed images than with any other cameras.

3 Seconds Zoom Speed



Only 3 seconds can zoom-in 43x. This fast zoom-in speed enable users to get to the scene where the event is happening without delay of time.



How fast can you catch?

600°/sec Preset Pan/Tilt



SCC-C6453/C6455/C7453/C7455

Preset Pan/Tilt
600°/sec Camera

Once user set the preset point, 43x speed dome cameras get to the point with lightning speed and will catch the scene that user want.

Pan/Tilt Moving Simultaneously



Pan Range 360° : Camera Support 360° Endless Pan Function
Tilt Range 192° : Camera Support -6°~186° Tilt Function

Low Speed Down to 0.01°/sec



Pan/Tilt speed can be lowered to 0.01/sec, showing no blur in the scene during the movement.

A1

ALL IN ONE

Built on the principles of functionality

The Samsung Electronics extensive knowledge of CCTV camera requirements has resulted in the development of the new A1 camera series, delivering unrivalled performance and benefits.

Low Electricity Consumption



Samsung Electronics' 43x SmartDome cameras provide the lowest power consumption of 47W. Users can save cost and also take a part of eco-environment activities to reduce the waste of energy.



Super High Resolution of 600 TV Lines



Conventional



600 TV Lines

A1 technology is able to resolve a horizontal resolution of 600 TV lines, by means of 12 Bit A/D serial signal processing coupled with image element enhancement technology. Additionally, it provides a more vivid and clearer image preventing noise under low illumination applications.

100cm Close-up



The shorter distance between the camera and the objects can result an unfocused image. 43x SmartDome camera resolved this problem and provide 100cm of MOD (Minimum Object Distance)

Operation in high/low temperature (SCC-C7455)



Low temperature



High temperature

The housing makes outside applications possible by resisting rain, dust and cold. The IP-66 compliant rating provides the highest level of weather and vandal resistance. Operating Temperature is -50°C~50°C.

Motion Adaptive DNR (Digital Noise Reduction)



DNR OFF



DNR ON

The DNR function eliminates noise and generates a distinct and clear image under the dark environment. A1 technology utilizes both a 2D filter reducing noise of moving objects and a 3D filter reducing noise generated by background, resulting in great reduction of blur.

XDR (eXtended Dynamic Range)



XDR OFF



XDR ON

Under strong backlight or high contrast scenes, detail is often lost in the darker areas of the scene. A1 cameras provide XDR technology to increase the level of visible detail in the dark areas, whilst maintaining image clarity and detail in the brighter portions of the image.

VPS (Virtual Progressive Scan)



Interlace Transmission (Delayed edge)



VPS Transmission (Clear edge)

43x A1 cameras providing WDR, also offer VPS able to utilize either interlace or progressive scanning technology to deliver sharply defined edges of moving objects.

Intelligent Video Content Analysis



Conventional

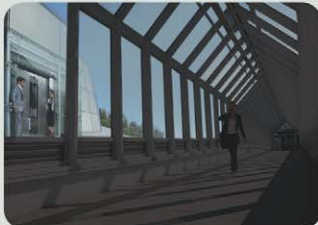


Video Content Analysis (Moved)

The Samsung Electronics A1 series of cameras, also provide built-in capability for video content analysis. Operational modes include:

- Fixed** Senses objects that appear and remain in a scene for longer than a pre-determined period of time.
- Moved** Detects objects removed from a scene
- Fence** Provides virtual electronic area [Area mode] and directional line [Line mode] and generates an alarm in the event of a breach of the area or a cross of the directional line
- Tracking** Tracks an object through a scene and generates an alarm in the event of abnormal directional changes.

WDR (Wide Dynamic Range)



WDR OFF



WDR ON

A1 series of cameras achieve WDR by using Dual Shutter [Long/Short] Algorithm to operate a Dual Scan CCD. The contrast enhancer sustains the effective contrast range and expands Dynamic Range up to 128x (NTSC) and 160x (PAL).

Easy Installation!

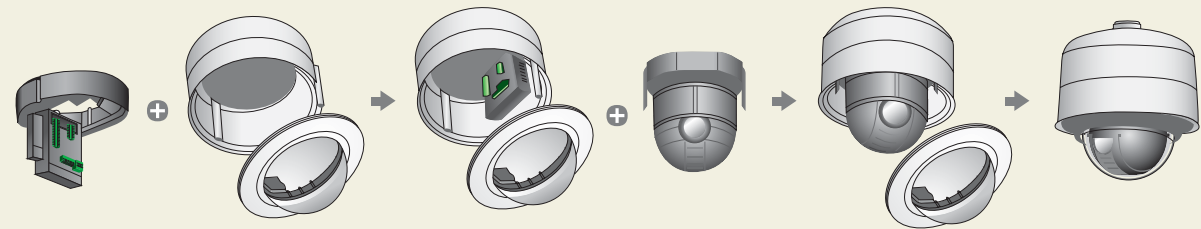
I Accessories



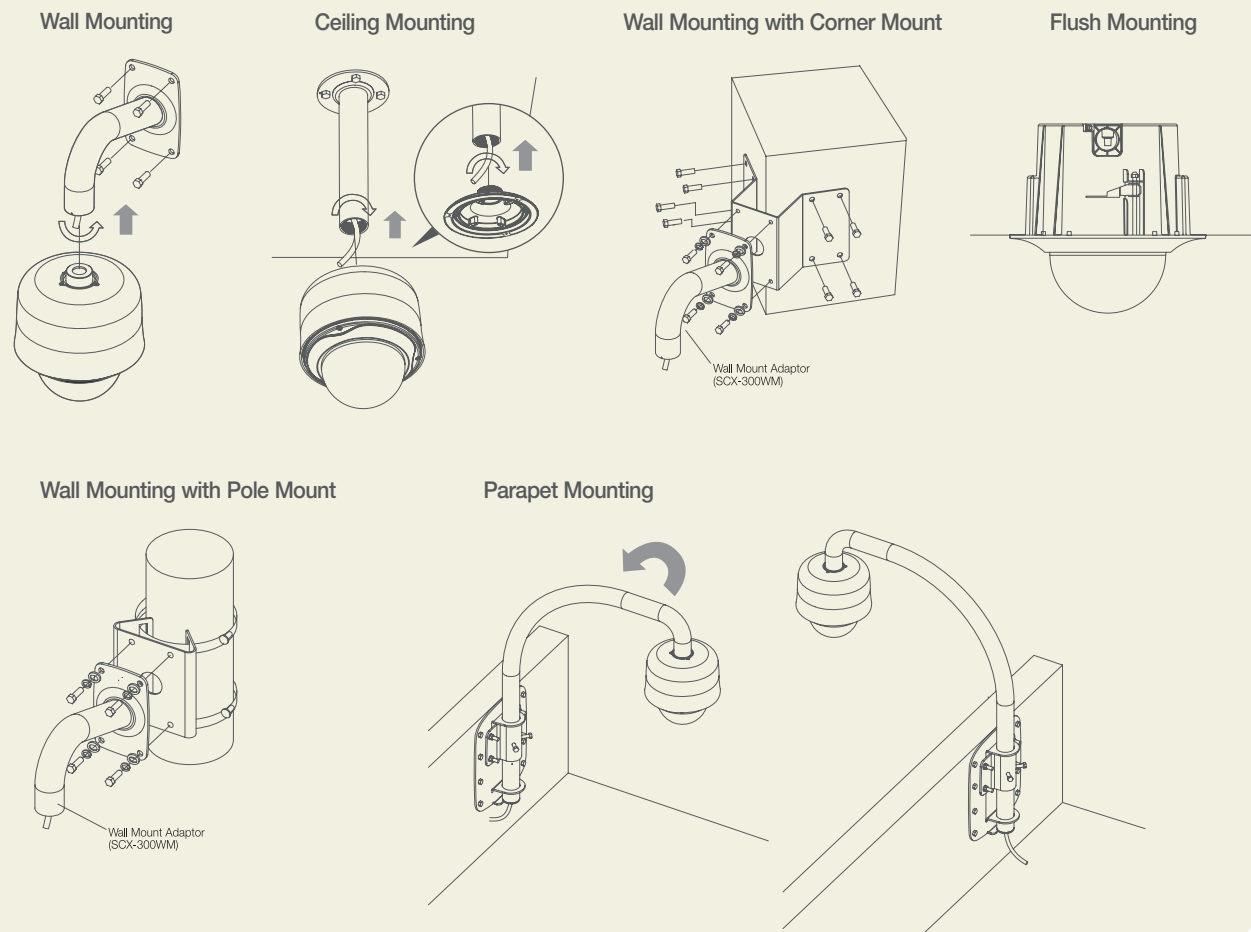
I Variable Mounting Options



I Easy Installation



I Housing Easy Installation



43x Optical Zoom High SmartDome Camera



I Specifications

Items	Sub-items		SCC-C6453/C7453	SCC-C6455/C7455
Camera Type	Color/BW		Color	
Image	Device		1/4" Super-HAD IT CCD	
	Pixels	Effective	768 X 494 (NTSC) / 752 X 582 (PAL)	
Resolution	Horizontal		600 (Color) TV Lines	
Min. Scene Illumination	Color	Sens-up Off	0.6Lux(15IRE), 1.2Lux(30IRE), 2Lux(50IRE)	
		Sens-up 512x	0.001Lux(15IRE), 0.002Lux(30IRE), 0.004Lux(50IRE)	
	B/W	Sens-up Off	0.06Lux(15IRE), 0.12Lux(30IRE), 0.2Lux(50IRE)	
		Sens-up 512x	0.0001Lux(15IRE), 0.0002Lux(30IRE), 0.0004Lux(50IRE)	
Pan/Tilt	Speed	Manual Pan	0.01"/sec ~ 180"/sec	
		Preset Pan	600"/sec	
		Manual Tilt	0.01"/sec ~ 180"/sec	
		Preset Tilt	600"/sec	
	Range	Panning	0°~360° (Endless)	
		Tilting	-6°~186°	
	Number of Auto PAN		4 ea	
	Number of Preset		512 ea	
	Number of Pattern		3 ea	
	Number of Privacy Zone		12 ea	
Functions	Day/Night		Auto / Day / Nigh (ICR)	
	Motion Detection		Yes, Sensitivity 1~7 Level	
	Wide Dynamic Range		-	Yes (NTSC: 128x, PAL: 160x)
	D-Zoom		Yes (~16x)	
	High Speed Shutter		1/100~1/10K sec	
	Sens Up		Yes (2x ~ 512x)	
	BLC		Off / On	
	AGC		Off/On (Very Low / Low / Mid / High / Very High / User / Fix)	
	Auto Focus		Manual / Auto (pan, tilt, zoom linked) / one AF	
	Synchronization		Internal / Line lock	
	Camera ID		Max 54 Character, 2 Line	
	VPS (Virtual Progressive Scan)		-	Yes
	XDR (eXtended Dynamic Range)		Off/On (Low/Middle/High)	
	DNR (Digital Noise Reduction)		Off/On (Low/Middle/High/User(3D/2D))	
	Schedule		Day / Time Schedule	
	White Balance		ATW1 / ATW2 / AWC (Manual) / 3200 / 5600	
Video Output	VBS 1.0Vp-p		VBS 1.0Vp-p	
S/N Ratio	S/N Ratio		52 dB	
Lens	Focal Length		3.2 ~ 138.5mm	
	Min. Object Distance		1000mm	
	Zoom Ratio		43x Optical (688x with 16x Digital zoom)	
	Aperature Ratio		F1.65(W)/F3.7(T)	
	Viewing Angle	Tele	1.47° (H) x 1.10° (V)	
		Wide	61.22° (H) x 47.16° (V)	
	Lens Drive Type		DC Auto Iris	
	Mount Type		Board-in type	
OSD	OSD		Yes	
Alarm	Input		8 ea	
	Output		3 ea (2 Open Collector, 1 relay)	
Remote Control	Remote Control		RS485 (Half/Full Duplex) / RS422, CCVC	
Environmental Conditions	Operating Temperature		SCC-C6453/C6455 : -10°C ~ +50°C, SCC-C7453/C7455 : -50°C ~ +50°C	
	Operating Humidity		Less than 90%	
Power	Power Requirement		24 VAC	
	Power Consumption		11W(SCC-C7453/C7455 Camera with Fan/Heater : 47W)	
	LED Indicator		Yes	
	Dimensions (WxHxD)		SCC-C6453/C6455 : 180 X 220 mm, SCC-C7453/C7455 : 215 X 270 mm	
Physical Specification	Weight		SCC-C6453/C6455 : 2.0kg, SCC-C7453/C7455 : 3.0kg	
	Color		Light Gray	



43x Optical Zoom Lens Camera



I Specifications

Items	Sub-items		SCC-C4253/C4353	SCC-C4255/C4355
Camera Type	Color/BW		Color	
Image	Device		1/4" Super HAD IT CCD	
	Pixels	Effective	768 X 494 (NTSC) / 752 X 582 (PAL)	
Resolution	Horizontal		600 (Color) TV Lines	
Min. Scene Illumination	Color	Sens-up Off	0.6Lux(15IRE), 1.2Lux(30IRE), 2Lux(50IRE)	
		Sens-up 512x	0.001Lux(15IRE), 0.002Lux(30IRE), 0.004Lux(50IRE)	
	B/W	Sens-up Off	0.06Lux(15IRE), 0.12Lux(30IRE), 0.2Lux(50IRE)	
		Sens-up 512x	0.0001Lux(15IRE), 0.0002Lux(30IRE), 0.0004Lux(50IRE)	
Functions	Number of Privacy Zone		12 ea	
	Day/Night		Auto / Day / Night (ICR)	
	Motion Detection		Yes, Sensitivity 1~7 Level	
	Wide Dynamic Range		-	Yes (NTSC: 128x, PAL: 160x)
	D-Zoom		Yes (~16x)	
	High Speed Shutter		1/100 ~ 1/10K sec	
	Sens Up		Yes (2x ~ 512x)	
	PIP		Yes	
	BLC		Off / On	
	AGC		Off/On (Very Low / Low / Mid / High / Very High / User / Fix)	
	Auto Focus		Manual / Auto / one AF	
	Synchronization		SCC-C4253 / C4255 : Internal, SCC-C4353 / C4355 : Internal / Line Lock	
	Camera ID		Max 54 Character, 2 Line	
	VPS (Virtual Progressive Scan)		-	Yes
	XDR (eXtended Dynamic Range)		Off/On (Low / Middle / High)	
	DNR (Digital Noise Reduction)		Off / On (Low / Middle / High / User(3D/2D))	
Video Output	Schedule		Day / Time Schedule	
	White Balance		ATW1 / ATW2 / AWC(Manual) / 3200 / 5600	
	VBS 1.0Vp-p		VBS 1.0Vp-p	
	S/N Ratio		52 dB	
	Focal Length		3.2 ~ 138.5mm	
	Min. Object Distance		1000mm	
	Zoom Ratio		43x Optical (688x with 16x Digital zoom)	
	Aperature Ratio		F1.65(W)/F3.7(T)	
	Viewing Angle	Tele	1.47° (H) X 1.10° (V)	
		Wide	61.22° (H) X 47.16° (V)	
OSD	Lens Drive Type		DC Auto Iris	
	Mount Type		Board-in type	
Alarm	OSD		Yes	
Remote Control	Input		-	
	Output		1 ea	
Environmental Conditions	Remote Control		RS485, CCVC	
Power	Operating Temperature		-10°C ~ +50°C	
	Operating Humidity		Less than 90%	
Physical Specification	Power Requirement		SCC-C4253/C4255 : DC12V, SCC-C4353/C4355 : DC12V, AC24V	
	Power Consumption		SCC-C4253: 4.2W / SCC-C4353 : 5.6W	SCC-C4255 : 4.2W / SCC-C4355 : 5.6W
	LED Indicator		Yes	
	Dimensions (WxHxD)		SCC-C4253/C4255 : 59.0 X 59.2 X 124.2 mm, SCC-C4353/C4355 : 59.0 X 59.2 X 154.5 mm	
	Weight		SCC-C4253/C4255 : 383g, SCC-C4353/C4355 : 508g	
	Color		Silver	

